

PARKER-DAVIS PROJECT COST APPORTIONMENT STUDY

Parker-Davis Rate Design FY 2011

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWH
Priority Use Power	37,303 kW	195,267 MWH
Total	271,147 kW	1,425,045 MWH

Transmission Delivery Commitments		
Firm Electric Service	233,844 kW	
Priority Use Power	37,303 kW	
Firm Transmission Service	2,654,162 kW	
Total	2,925,309 kW	

Generation Revenue Requirement		
Firm Electric Service	\$10,421,875	
*Aggregate Power Managers	\$1,662,507	
Total	\$12,084,382	

Transmission Revenue Requirement		
Firm Electric Service	\$3,030,618	
*Aggregate Power Managers	\$483,447	
Firm Transmission Service	\$34,397,940	
Total	\$37,912,005	

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP). **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The estimated FY10 power rate is 8.68 mills/kWh. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
Generation Revenue Requirement	\$1,662,507		
Transmission Revenue Requirement	\$483,447		
Total	\$2,145,954		
**Priority Use Power Revenue	8.68 mills/kWh	\$1,694,918	
APM Contributory Payment (Based on an estimated PUP Rate)		\$451,036	

STEP ONE

Firm Transmission Rate	\$37,912,005	/	2,925,309 kW	=	\$12.96 /1	kW-YR
					\$1.08 /2	kW-MO
					\$0.25	kW-WK
					\$0.04	kW-DAY
					\$0.00148	kWh

STEP TWO

Calculated Capacity Rate	\$6,042,191	/	271,147 kW		\$22.28 /3	kW-YR
					\$1.86 /2	kW-MO
Calculated Energy Rate	\$6,042,191	/	1,425,045 MWHs		4.24 /4	Mills/kWh
Calculated Composite Rate without Transmission	\$12,084,382	/	1,425,045 MWHs		8.48 /5	Mills/kWh
Calculated Composite Rate with Transmission						
	Generation	\$12,084,382				
	Transmission	\$3,514,065				
		\$15,598,447	/	1,425,045 MWHs	10.95	Mills/kWh

STEP THREE

Nonfirm Transmission Rate					1.48 /6	Mills/kWh
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STEP FOUR

Firm Transmission Rate for SLCA/IP Power					\$6.48 /7	kW-SEASON
					\$1.08 /8	kW-MO

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE - Effective June 1, 2005

Arizona	4.5 /9	Mills/kWh
California & Nevada	2.5 /9	Mills/kWh

/1 Annual Net Expenses Allocated to Transmission DIVIDED BY the sum of the Total transmission delivery commitments.

/2 \$/kW-YR DIVIDED BY 12, rounded up to the penny.

/3 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery Commitment

/4 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery commitment.

/5 Annual Net Expenses Allocated to Generation DIVIDED BY the sum of the Total Generation Delivery Commitment

/6 (Firm Transmission Rate \$/kW-YR DIVIDED BY (8,760) MULTIPLIED BY 1,000, rounded two decimal places.

/7 Firm Transmission Rate \$/kW-YR DIVIDED BY 2, rounded up to the penny.

/8 Firm Transmission Rate \$/kW-SEASON DIVIDED BY 6, rounded up to the penny.

/9 Lower Colorado River Development Fund Surcharge - For the Parker-Davis Project, this charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)

PARKER-DAVIS PROJECT COST APPORTIONMENT STUDY

Parker-Davis Rate Design FY 2012

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWH
Priority Use Power	37,303 kW	195,267 MWH
Total	271,147 kW	1,425,045 MWH

Transmission Delivery Commitments		
Firm Electric Service	233,844 kW	
Priority Use Power	37,303 kW	
Firm Transmission Service	2,675,829 kW	
Total	2,946,976 kW	

Generation Revenue Requirement		
Firm Electric Service	\$10,421,875	
*Aggregate Power Managers	\$1,662,507	
Total	\$12,084,382	

Transmission Revenue Requirement		
Firm Electric Service	\$3,030,618	
*Aggregate Power Managers	\$483,447	
Firm Transmission Service	\$34,678,744	
Total	\$38,192,809	

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP). **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The estimated FY10 power rate is 8.68 mills/kWh. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
Generation Revenue Requirement	\$1,662,507		
Transmission Revenue Requirement	\$483,447		
Total	\$2,145,954		
**Priority Use Power Revenue	8.68 mills/kWh	\$1,694,918	
APM Contributory Payment (Based on an estimated PUP Rate)		\$451,036	

STEP ONE

Firm Transmission Rate	\$38,192,809	/	2,946,976 kW	=	\$12.96 /1	kW-YR
					\$1.08 /2	kW-MO
					\$0.25	kW-WK
					\$0.04	kW-DAY
					\$0.00148	kWh

STEP TWO

Calculated Capacity Rate	\$6,042,191	/	271,147 kW		\$22.28 /3	kW-YR
					\$1.86 /2	kW-MO
Calculated Energy Rate	\$6,042,191	/	1,425,045 MWHs		4.24 /4	Mills/kWh
Calculated Composite Rate without Transmission	\$12,084,382	/	1,425,045 MWHs		8.48 /5	Mills/kWh
Calculated Composite Rate with Transmission						
	Generation	\$12,084,382				
	Transmission	\$3,514,065				
		\$15,598,447	/	1,425,045 MWHs	10.95	Mills/kWh

STEP THREE

Nonfirm Transmission Rate					1.48 /6	Mills/kWh
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STEP FOUR

Firm Transmission Rate for SLCA/IP Power					\$6.48 /7	kW-SEASON
					\$1.08 /8	kW-MO

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE - Effective June 1, 2005

Arizona	4.5 /9	Mills/kWh
California & Nevada	2.5 /9	Mills/kWh

/1 Annual Net Expenses Allocated to Transmission DIVIDED BY the sum of the Total transmission delivery commitments.

/2 \$/kW-YR DIVIDED BY 12, rounded up to the penny.

/3 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery Commitment

/4 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery commitment.

/5 Annual Net Expenses Allocated to Generation DIVIDED BY the sum of the Total Generation Delivery Commitment

/6 (Firm Transmission Rate \$/kW-YR DIVIDED BY (8,760) MULTIPLIED BY 1,000, rounded two decimal places.

/7 Firm Transmission Rate \$/kW-YR DIVIDED BY 2, rounded up to the penny.

/8 Firm Transmission Rate \$/kW-SEASON DIVIDED BY 6, rounded up to the penny.

/9 Lower Colorado River Development Fund Surcharge - For the Parker-Davis Project, this charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)

PARKER-DAVIS PROJECT COST APPORTIONMENT STUDY

Parker-Davis Rate Design FY 2013

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWH
Priority Use Power	37,303 kW	195,267 MWH
Total	271,147 kW	1,425,045 MWH

Transmission Delivery Commitments		
Firm Electric Service	233,844 kW	
Priority Use Power	37,303 kW	
Firm Transmission Service	2,676,829 kW	
Total	2,947,976 kW	

Generation Revenue Requirement		
Firm Electric Service	\$10,421,875	
*Aggregate Power Managers	\$1,662,507	
Total	\$12,084,382	

Transmission Revenue Requirement		
Firm Electric Service	\$3,030,618	
*Aggregate Power Managers	\$483,447	
Firm Transmission Service	\$34,691,704	
Total	\$38,205,769	

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP). **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The estimated FY10 power rate is 8.68 mills/kWh. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
Generation Revenue Requirement	\$1,662,507		
Transmission Revenue Requirement	\$483,447		
Total	\$2,145,954		
**Priority Use Power Revenue	8.68 mills/kWh	\$1,694,918	
APM Contributory Payment (Based on an estimated PUP Rate)		\$451,036	

STEP ONE

Firm Transmission Rate	\$38,205,769	/	2,947,976 kW	=	\$12.96 /1	kW-YR
					\$1.08 /2	kW-MO
					\$0.25	kW-WK
					\$0.04	kW-DAY
					\$0.00148	kWh

STEP TWO

Calculated Capacity Rate	\$6,042,191	/	271,147 kW		\$22.28 /3	kW-YR
					\$1.86 /2	kW-MO
Calculated Energy Rate	\$6,042,191	/	1,425,045 MWHs		4.24 /4	Mills/kWh
Calculated Composite Rate without Transmission	\$12,084,382	/	1,425,045 MWHs		8.48	Mills/kWh
Calculated Composite Rate with Transmission						
	Generation	\$12,084,382				
	Transmission	\$3,514,065				
		\$15,598,447	/	1,425,045 MWHs	10.95	Mills/kWh

STEP THREE

Nonfirm Transmission Rate					1.48 /6	Mills/kWh
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STEP FOUR

Firm Transmission Rate for SLCA/IP Power					\$6.48 /7	kW-SEASON
					\$1.08 /8	kW-MO

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE - Effective June 1, 2005

Arizona	4.5 /9	Mills/kWh
California & Nevada	2.5 /9	Mills/kWh

/1 Annual Net Expenses Allocated to Transmission DIVIDED BY the sum of the Total transmission delivery commitments.

/2 \$/kW-YR DIVIDED BY 12, rounded up to the penny.

/3 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery Commitment

/4 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery commitment.

/5 Annual Net Expenses Allocated to Generation DIVIDED BY the sum of the Total Generation Delivery Commitment

/6 (Firm Transmission Rate \$/kW-YR DIVIDED BY (8,760) MULTIPLIED BY 1,000, rounded two decimal places.

/7 Firm Transmission Rate \$/kW-YR DIVIDED BY 2, rounded up to the penny.

/8 Firm Transmission Rate \$/kW-SEASON DIVIDED BY 6, rounded up to the penny.

/9 Lower Colorado River Development Fund Surcharge - For the Parker-Davis Project, this charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)

PARKER-DAVIS PROJECT COST APPORTIONMENT STUDY

Parker-Davis Rate Design FY 2014

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWH
Priority Use Power	37,303 kW	195,267 MWH
Total	271,147 kW	1,425,045 MWH

Transmission Delivery Commitments		
Firm Electric Service	233,844 kW	
Priority Use Power	37,303 kW	
Firm Transmission Service	2,677,829 kW	
Total	2,948,976 kW	

Generation Revenue Requirement		
Firm Electric Service	\$10,421,875	
*Aggregate Power Managers	\$1,662,507	
Total	\$12,084,382	

Transmission Revenue Requirement		
Firm Electric Service	\$3,030,618	
*Aggregate Power Managers	\$483,447	
Firm Transmission Service	\$34,704,664	
Total	\$38,218,729	

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP). **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The estimated FY10 power rate is 8.68 mills/kWh. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
Generation Revenue Requirement	\$1,662,507		
Transmission Revenue Requirement	\$483,447		
Total	\$2,145,954		
**Priority Use Power Revenue	8.68 mills/kWh	\$1,694,918	
APM Contributory Payment (Based on an estimated PUP Rate)		\$451,036	

STEP ONE

Firm Transmission Rate	\$38,218,729	/	2,948,976 kW	=	\$12.96 /1	kW-YR
					\$1.08 /2	kW-MO
					\$0.25	kW-WK
					\$0.04	kW-DAY
					\$0.00148	kWh

STEP TWO

Calculated Capacity Rate	\$6,042,191	/	271,147 kW		\$22.28 /3	kW-YR
					\$1.86 /2	kW-MO
Calculated Energy Rate	\$6,042,191	/	1,425,045 MWHs		4.24 /4	Mills/kWh
Calculated Composite Rate without Transmission	\$12,084,382	/	1,425,045 MWHs		8.48	Mills/kWh
Calculated Composite Rate with Transmission						
	Generation	\$12,084,382				
	Transmission	\$3,514,065				
		\$15,598,447	/	1,425,045 MWHs	10.95	Mills/kWh

STEP THREE

Nonfirm Transmission Rate					1.48 /6	Mills/kWh
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STEP FOUR

Firm Transmission Rate for SLCA/IP Power					\$6.48 /7	kW-SEASON
					\$1.08 /8	kW-MO

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE - Effective June 1, 2005

Arizona	4.5 /9	Mills/kWh
California & Nevada	2.5 /9	Mills/kWh

- /1 Annual Net Expenses Allocated to Transmission DIVIDED BY the sum of the Total transmission delivery commitments.
- /2 \$/kW-YR DIVIDED BY 12, rounded up to the penny.
- /3 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery Commitment
- /4 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery commitment.
- /5 Annual Net Expenses Allocated to Generation DIVIDED BY the sum of the Total Generation Delivery Commitment
- /6 (Firm Transmission Rate \$/kW-YR DIVIDED BY (8,760) MULTIPLIED BY 1,000, rounded two decimal places.

PARKER-DAVIS PROJECT COST APPORTIONMENT STUDY

Parker-Davis Rate Design FY 2015

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWH
Priority Use Power	37,303 kW	195,267 MWH
Total	271,147 kW	1,425,045 MWH

Transmission Delivery Commitments		
Firm Electric Service	233,844 kW	
Priority Use Power	37,303 kW	
Firm Transmission Service	2,677,829 kW	
Total	2,948,976 kW	

Generation Revenue Requirement		
Firm Electric Service	\$10,421,875	
*Aggregate Power Managers	\$1,662,507	
Total	\$12,084,382	

Transmission Revenue Requirement		
Firm Electric Service	\$3,030,618	
*Aggregate Power Managers	\$483,447	
Firm Transmission Service	\$34,704,664	
Total	\$38,218,729	

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP). **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The estimated FY10 power rate is 8.68 mills/kWh. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
Generation Revenue Requirement	\$1,662,507		
Transmission Revenue Requirement	\$483,447		
Total	\$2,145,954		
**Priority Use Power Revenue	8.68 mills/kWh		
APM Contributory Payment (Based on an estimated PUP Rate)	\$451,036		

STEP ONE

Firm Transmission Rate	\$38,218,729	/	2,948,976 kW	=	\$12.96 /1	kW-YR
					\$1.08 /2	kW-MO
					\$0.25	kW-WK
					\$0.04	kW-DAY
					\$0.00148	kWh

STEP TWO

Calculated Capacity Rate	\$6,042,191	/	271,147 kW		\$22.28 /3	kW-YR
					\$1.86 /2	kW-MO
Calculated Energy Rate	\$6,042,191	/	1,425,045 MWHs		4.24 /4	Mills/kWh
Calculated Composite Rate without Transmission	\$12,084,382	/	1,425,045 MWHs		8.48 /5	Mills/kWh
Calculated Composite Rate with Transmission						
	Generation	\$12,084,382				
	Transmission	\$3,514,065				
		\$15,598,447	/	1,425,045 MWHs	10.95	Mills/kWh

STEP THREE

Nonfirm Transmission Rate					1.48 /6	Mills/kWh
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STEP FOUR

Firm Transmission Rate for SLCA/IP Power					\$6.48 /7	kW-SEASON
					\$1.08 /8	kW-MO

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE - Effective June 1, 2005

Arizona	4.5 /9	Mills/kWh
California & Nevada	2.5 /9	Mills/kWh

/1 Annual Net Expenses Allocated to Transmission DIVIDED BY the sum of the Total transmission delivery commitments.

/2 \$/kW-YR DIVIDED BY 12, rounded up to the penny.

/3 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery Commitment

/4 (Annual Net Expenses Allocated to Generation MULTIPLIED BY .50) DIVIDED BY the sum of the Total Generation Delivery commitment.

/5 Annual Net Expenses Allocated to Generation DIVIDED BY the sum of the Total Generation Delivery Commitment

/6 (Firm Transmission Rate \$/kW-YR DIVIDED BY (8,760) MULTIPLIED BY 1,000, rounded two decimal places.

/7 Firm Transmission Rate \$/kW-YR DIVIDED BY 2, rounded up to the penny.

/8 Firm Transmission Rate \$/kW-SEASON DIVIDED BY 6, rounded up to the penny.

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